

**1/6****SEQ ID NO. 3**

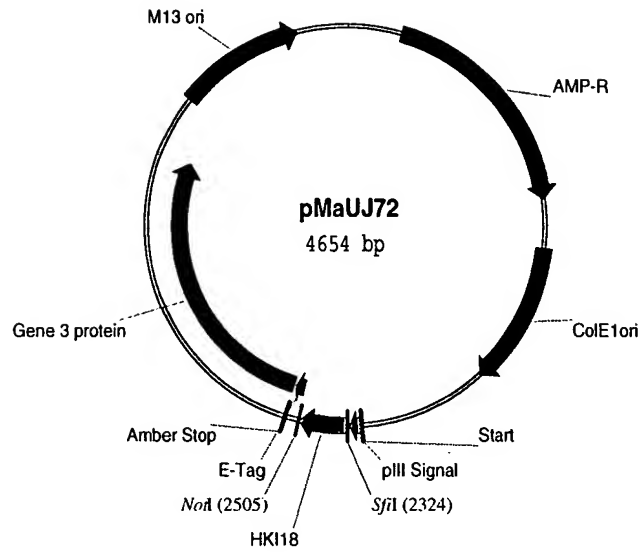
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1  TACCCCGTGC GGTGCCTGCT GCCCAGTGCC CATGGCTCTT GCGCAGACTG
   ATGGGGCACG CCACGGACGA CGGGTCACGG GTACCGAGAA CGCGTCTGAC
51  GGCTGCCCCG TGGTACTTCG TTGCCTCTGT GGGCCAATGT AACCGCTTCT
   CCGACGGGCG ACCATGAAGC AACGGAGACA CCCGGTTACA TTGGCGAAGA
101 GGTATGGCGG CTGCCATGGC AATGCCAATA ACTTTGCCTC GGAGCAAGAG
   CCATACCGCC GACGGTACCG TTACGGTTAT TGAAACGGAG CCTCGTTCTC
151 TGCATGAGCA GCTGCCAGGG ATCT
   ACGTACTCGT CGACGGTCCC TAGA
```

**Fig. 1****AMINO ACID SEQUENCE OF HUMAN WILD TYPE HKI-18, IUPAC ONE LETTER CODE,  
SEQ ID NO.1**

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1  YPVRCLLP SA HGSCADWAAR WYFVASVGQC NRFWYGGCHG NANNFASEQE
51  CMSSCQGS
```

**Fig. 2**

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**Fig. 3**

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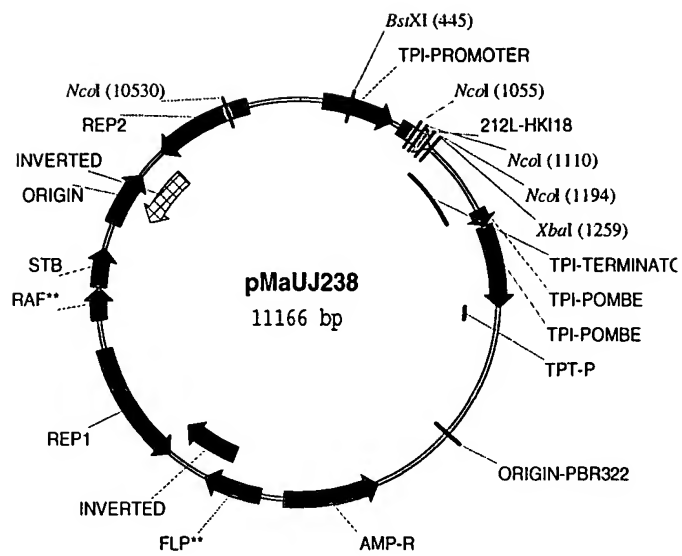
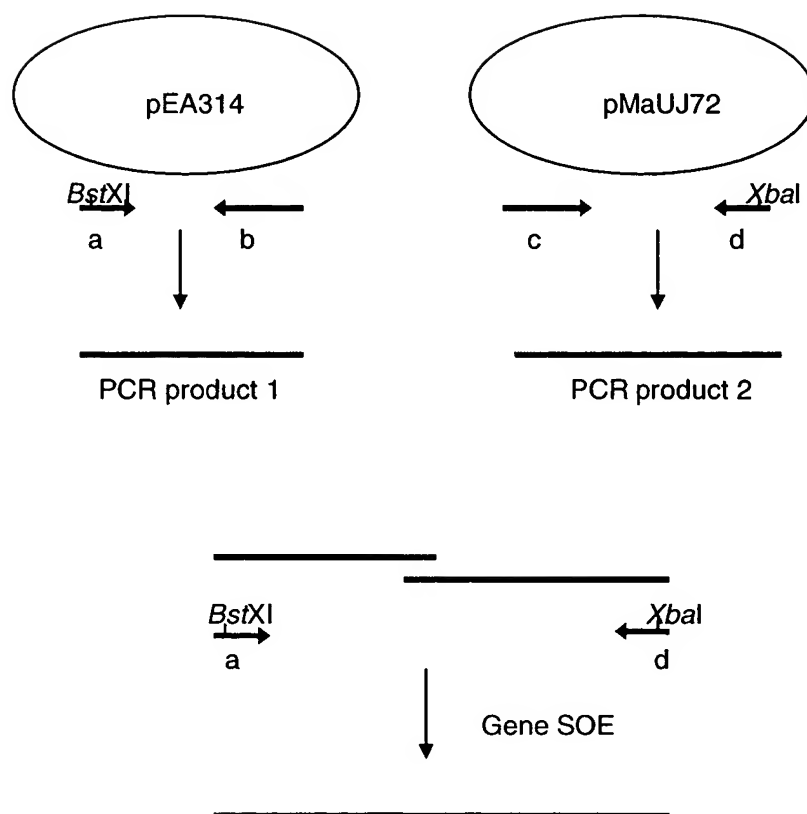


Fig. 4

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**Fig. 5**

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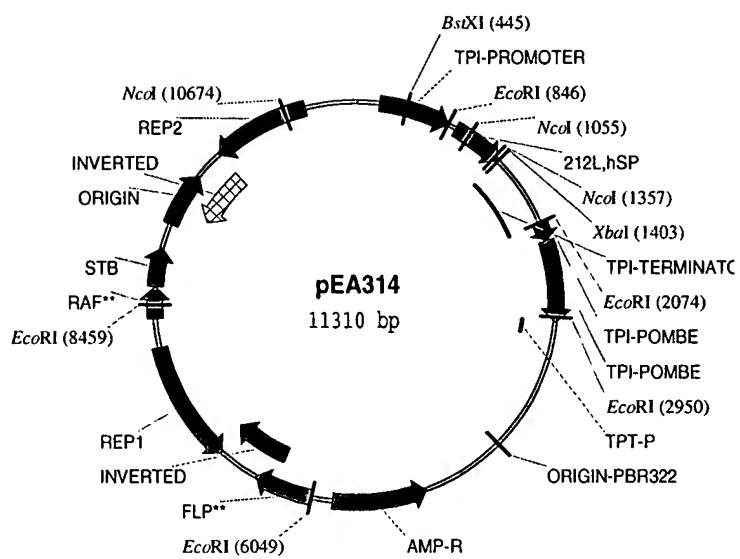


Fig. 6

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      EcoRI
      ~~~~~
845  GAATTCCATT CAAGAATAGT TCAAACAAGA AGATTACAAA CTATCAATTT CATAACAAT
      M K A V F L V L S L I G F C W
905  ATAAACGACC AAAAGAATGA AGGCTGTTTT CTTGGTTTTG TCCTTGATCG GATTCTGCTG
      . A Q P V T G D E S S V E I P E E S L I I
965  GGCCCAACCA GTCACTGGCG ATGAATCATC TGTTGAGATT CCGGAAGAGT CTCTGATCAT
      . A E N T T L A N V A M A E R L E K R Y P
1025 CGCTGAAAAC ACCACTTTGG CTAACGTCGC CATGGCTGAG AGATTGGAGA AGAGATACCC
      . V R C L L P S A H G S C A D W A A R W Y
1085 CGTGCGGTGC CTGCTGCCCA GTGCCCATGG CTCTTGCGCA GACTGGGCTG CCCGCTGGTA
      . F V A S V G Q C N R F W Y G G C H G N A
1145 CTTCGTTGCC TCTGTGGGCC AATGTAACCG CTTCTGGTAT GGCGGCTGCC ATGGCAATGC
      XbaI
      ~~~~~
      . N N F A S E Q E C M S S C Q G S
1205 CAATAACTTT GCCTCGGAGC AAGAGTGCAT GAGCAGCTGC CAGGGATCTT AAGTCTAGA

```

**Fig. 7**

212L-HKI18-1

1 MKAVFLVL~~SL~~ IGFCWAQ~~PVT~~ GDESSVEI~~PE~~ ESLIIAENTT LANVAMAERL  
51 EKRYPV~~RCLL~~ PPATGSKAW AARWYFVASV GQCNRFWYGG CHGNANNFAS  
101 EQECMSSCQ~~G~~ S

212L-HKI18-2

1 MKAVFLVLSL IGFCWAQPVT GDESSVEIPE ESLIIAENTT LANVAMAERL  
51 EKRYPVVRCLL PPATGPCKAR AARWYFVASV GQCNRFVYGG CHGNANNFAS  
101 EQECMSSCQG S

**Fig. 8**